"The Northwest's Largest Ham Convention"

SEAPAC '02

May 31, June 1 & 2, 2002

NORTHWEST DIVISION HAM CONVENTION

Seaside Convention Center, Seaside Oregon

Commercial Exhibits • Giant Flea Market • Banquet/Entertainment
Seminars

And Much More - Right on the Beautiful Pacific Northwest Ocean Beach

Exhibitors Call:
Al Berg, W7SIC
503-816-7098
w7sic@pocketmail.com

SEAPAC Ham Convention
P. O. Box 219142
Portland, Oregon 97225-9142
Web Site: www.seapac.org

Registration Info:
Will Sheffield, N7THL
503-642-7314
n7thl@arrl.net

Fill out the form below and leave it at the Registration Desk to receive information on SeaPac '02.

I want to be part of SeaPac 2002. Please Send Me:

- ☐ Registration Form
- ☐ Flea Market Information
- ☐ Commercial Exhibit Rates and Contract
- ☐ I would like to give a seminar:
  Topic _____
- ☐ I would like to help

Name _____ Call _____

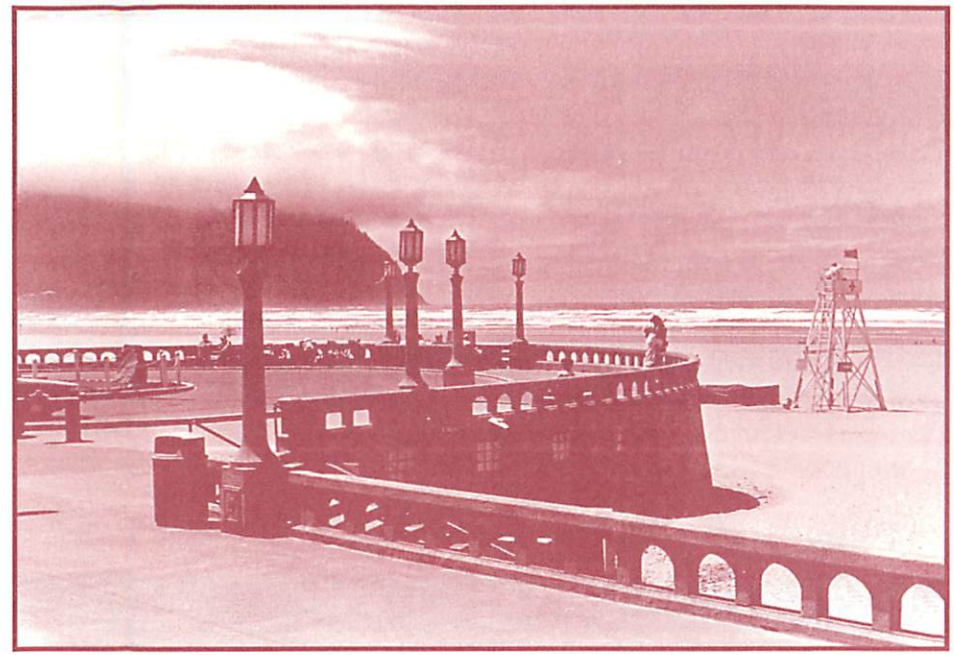
Address _____

City _____ State _____ Zip _____

Telephone _____

SEAPAC

ARRL Northwest Division Ham Convention



Seaside Convention Center

Seaside, Oregon

JUNE 1, 2 & 3, 2001

Presented by
Oregon Tualatin Valley Amateur Radio Club

SPECIAL SERVICE CLUB

Welcome to SeaPac 2001

*The **SeaPac Ham Convention** is sponsored by the Oregon Tualatin Valley Amateur Radio Club.*

Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club and the Sunset Empire Amateur Radio Club.

The Sponsors wish to thank all volunteers for their assistance and contributions to the convention. We hope everyone will enjoy themselves to the fullest and be a part in making this event a success.

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VE Testing

Testing is at Our Saviour's Lutheran Church across from the Convention Center. One session only will be offered at 9:00AM on Saturday, June 2, 2001.

Testing will be by pre-registration only. No walk-ins!

Ladies Program

"A Hangout For The Bored Spouses"

For Details See Page 7

Kids Krayons & Kartoons

Convention Center – Sea Mist Room

Saturday, June 2 - 9:00 AM to 5:00 PM

Sunday, June 3 - 9:00 AM to 2:00 PM

For children 5 - 12 years old. Separate arrangements can be made to care for younger children at a nominal cost.

Talk-in Station: 146.660 (-600) MHz

Sea-Pac Pin Design Contest.

The Sea-Pac board has decided to continue the pin design contest for the 2002 Sea-Pac pin. The person with the winning design will receive two tickets to the 2002 Sea-Pac banquet and have their name announced as the designer at the banquet.

The pin designs must be submitted to the board for consideration no later than March 15, 2001. Send designs to Sea-Pac, Post Office Box 219142, Portland, OR 97221. The decision of the board will be final. Furthermore, the manufacturer may make alterations to the design as needed to meet their specifications.

The pin must include the words Sea-Pac, the logo, and the year. The pin size is usually 3/4-inch maximum dimension. It is suggested that designers prepare artwork at 400% minimum. Every area needs to be marked with a color on a sample printout. Remember that color must be surrounded by metal. Tiny or busy areas should be simplified or enlarged. Use strong lines and simple art. Letters are usually in metal, as they are too thin to hold color or too small. Remember the lapel pins are SMALL. Look at the design and visualize putting metal around color and realize that someone has to put color in recesses — if it is too small, they can't do it.

Check out this years pin at the Reception Desk. For more ideas, also buy the previous years, at a reduced cost, and you'll have a sample of what has already been done. You'll also then have a a complete collection.

Looking for a lost person, a meeting notice or the hourly award drawing information?

Check at the message board in the front lobby!

Leave messages for your friends if you become separated.

Seaside Convention Center is a No Smoking Facility
ORS 433.839 and 433.875

WORLDWIDE DISTRIBUTION

HAM RADIO OUTLET

STOP BY OUR SEAPAC '01 BOOTH FOR "SPECIAL" CONVENTION PRICES

COME INTO OUR PORTLAND STORE AND SEE THE LATEST EQUIPMENT ON DISPLAY
11705 SW PACIFIC HWY (99W)
SUITE Z PORTLAND, OR 97223

On Hwy 99W Between Hwy 217 and I-5 Exit 294

CALL TOLL FREE FROM OR, WA, ID, AK

1-800-854-6046

PORTLAND, OR ANAHEIM, CA DENVER, CO OAKLAND, CA
PHOENIX, AZ SALEM, NH SAN DIEGO, CA NEWCASTLE, DE
SUNNYVALE, CA BURBANK, CA WOODBRIDGE, VA ATLANTA, GA

Get your SEAPAC '01 Souvenir Pin

A real beauty for your vest or hat in striking silver, black and red.

This will become a real collectors item.
We have a limited supply – they'll go fast.

Get yours early at the Registration Desk

ONLY $5.00 EACH

(We also have a few left from previous years that are available at a reduced price)

Betty Mickley, N7REX, now has two free '01 Banquet Dinner tickets for her award winning design for this years pin. You too can be a winner. Just submit your design by March 15, 2002. Check out the design requirements on page 18.

Convention Schedule

Friday, June 1

Registration	11:00AM - 8:00PM
Exhibitor & Flea Market Setup **(SETUP ONLY)**	11:00AM - 9:00PM
Special Friday Technical Session (Riverside Room)	2:30PM - 5:00PM
Ladies Hospitality Suite (Convention Center Inn Room 125)	6:00PM - 8:00PM

Saturday, June 2

Registration	8:00AM - 4:30PM
Exhibits & Flea Market	9:00AM - 4:30PM
Snack Bar	9:00AM - 4:30PM
Ladies Hospitality Suite (Convention Center Inn, Room 125)	9:00AM - 5:00PM
Kids, Krayons & Kartoons (Seamist Room)	9:00AM - 4:30PM
VE Exams (**Preregistered Only**) (Our Saviour's Lutheran Church)	9:00AM - 12:00N
Seminars (Seaside & Riverview Rooms – upper level))	9:30AM - 5:00PM
YLRL Luncheon & Program. (Oceanview, Fireside Room)	11:30AM-1:30PM
QCWA Luncheon (Oceanview, Sand Piper Room)	11:30AM-1:30PM
Pre-Banquet Happy Hour (Convention Center Lobby)	6:30PM - 7:15PM
Banquet (Convention Center)	7:15PM - 9:30PM

Sunday, June 3

Registration	8:30AM -12:00N
Exhibits & Flea Market	9:00AM -1:00PM
Ladies Hospitality Suite (Convention Center Inn, Room 125)	9:00AM -12:00N
Kids, Krayons & Kartoons (Sea Mist Room)	9:00AM - 2:00PM
Seminars (Seaside & Riverview Rooms—upper level)	10:00AM-11:30AM
Snack Bar	9:30AM - 2:00PM
Grand Awards Drawing	1:00PM - 2:00PM
Convention Closes	2:00PM

Seaside Convention Center is a No Smoking Facility—ORS 433.839 and 433.875

Exhibitor List

AJ's Custom Embroidery

ALF Enterprises

Alinco

Amateur Radio Trader

American Red Cross

AM-COM Inc

ARES/RACES

ARRG

Badge Boys

Battery Tech

Books Etc.

Computer Nut

Dark Star Dog Tags

Dave's Radios

DC Power

EE Industries

ELECRAFT

Emergency Communications Supply

EMTECH

Ham Radio Outlet

High Sierra Antennas

ICOM America

J and K Enterprises

Kenwood

Mountain OPS

Mr. Nicad

Navy-Marine Corps MARS

PARG

Portland Amateur RC

QCWA

Radio Depot

Rad-Com Radio

Safe-T-Tek Int'l

Sciesis Scientific Systems

Sign Peddler

Smiley Antennas

Starfire Tech

Startek

Western Case Sales

Willamette Valley DX Club

Yaesu

YLRL

Due to publication deadlines we apologize for any changes after May 16.

SEAPAC Committees

Thanks To All The Volunteers Who Helped Make This Convention A Success!!!

EXECUTIVE COMMITTEE
Randy Stimson, KZ7T
Al Berg, W7SIC
Jim Schaeffer, KB7ADH
Dale LeBarron, W7FBP
Will Sheffield, N7THL

TREASURER
Randy Stimson KZ7T

EXHIBIT SET-UP
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Carolyn Howells, WA7SVV
Ivan Loock, N7PRM
Wayne Allen, KB7OYI
Steve Brice, NA7T
Dusty McNeil, KC7RID
Steve McNeil, N7SOX
Joe Cunningham,KB7PPL
Kevin Novak, KB7PGL
Wes Allen, K7WWG
Jerry Kenyon, KB7LNR
Cindy Kenyon, KC7UJD
Chris Stubblefield, KC7HTL
Bill Morris, W7IH
Damon Vandehey, KD7EYS
Chuck Thompson, KC7GQE
Laura Sanders
Shari Vandehey

FLEA MARKET
Lynn Hurd, WB7UNU
Tom Hill, WA3RMX
Stan Griffiths, W7NI
Jack Smithson,KA7HOJ
John Bookout, K7JB

EXHIBITORS HOSPITALITY
Betty Mickley, N7REX
Frances Adams, KB8PRL
Scott Adams, KB8PRS
Charles Mickley Jr.
Molly Mickley
Joe Boyd, N7VZS
Ann Boyd
Dinah Wells
Brad Wells

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Mike Durr, KA7PWZ
Walley Boleen, KC7TB
Chuck Samuel, K7NWM
Mel Sutton, KB7PVW
Jeff Durr, KA7AKU
Don Branda, N7DDK
J D Fort, K7JDF
Bud Butterfield, KC7PS
Ev Curry, W6ABM

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Dale LeBarron, W7FBP
Al Berg, W7SIC

SEMINARS
Ed Clulow, N7TL

SECURITY
Clark Cnty A.R.C.
Jack Barratt W7JB
Ken Barratt, N7AEN
Norm Smith, NO7RM
Charlene Smith, N7CGS
Rick Mudd, KC7WGS
Frank Masure, KA7CGG

Committee Chairmen underlined

TALK IN STATION
Sunset Empire A.R.C.
Marque Mariott, N7LWQ
Gordon Lange, N7GCA
Emily Wolf, KB7L
Diane Hankins, N7XAD
Scott Hulls, KC7OOH

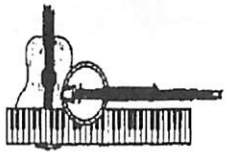
V.E. TESTING
Carl Clawson, WS7L
Ron Meese, K7GX
Jim Monaghan N7HKO
Gordon Girton, W6NW
Claire Johnson N7CM
Bob Orr WF7Q
Ernie Johnson KC7PMZ
Paul Thutt KC7PMU
Harold Landers WA0BRU
Dave Tucker K7DLT
Phil Teck, N7OY

BANQUET PROGRAM
Al Berg, W7SIC

REGISTRATION
Will Sheffield, N7THL
Sally Butterfield, N7WAL
Mary Berg, N7TRW

LADIES PROGRAM
Julie Landers, KD7GQW
Harold Landers, WAØBRU
Eileen McConnell
Linda Sutton, KC7YTD
May Altman KC7YNN
Pat Ackenhead, WA2ZZZ

EXHIBITORS
Al Berg, W7SIC



Barleens

Arizona Opry

Dinner Show

HAM RADIO ENTHUSIASTS

See our featured entertainer Kerry Christensen during the winter months in Apache Junction, Arizona

Reservations suggested, please call:
Barleen's Arizona Opry Dinner Theater
2275 Old West Higway
Apache Junction, AZ 85219
(480) 981-7993

Kerry's website:
www.kerrychristensen.com

Arizona Opry website:
www.familyontheweb.com/arizonaopry

RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) will have a test bench on the west side of the exhibit area. Test equipment will include a power supply, speaker, voltmeter, frequency counter, oscilloscope and watt meters. Buyers and prospective buyers are encouraged to make use of this service to check out those flea market treasures and unbelievable bargains.

Neither RAGS nor SeaPac accepts any responsibility for the condition or operability of any equipment, nor can they be held culpable for any equipment damaged as a result of test gear usage.

Banquet Program

Kerry Christensen

MASTER YODELER

Kerry Christensen

Our banquet program will be a unique musical presentation by Kerry Christensen, Master Yodeler. Kerry is not your everyday yodeler. While good old Western and Alpine yodeling can be very entertaining, Kerry has taken his particular talent far beyond what we might expect to hear. Have you heard songs like the William Tell Overture or Stars and Stripes in yodel form? Along with abundant yodeling talent, Kerry has mastered the alpenhorn, zither, cowbells and what he calls the "Lip Trumpet". Imagine Harry James with no instrument other than a pair of lips.

Kerry was raised on a potato farm in Idaho. After discovering yodeling while on a trip to Austria in 1976, he brought the music back and practiced 14 hours a day while driving tractor on his family's potato farm. He drove his father crazy and was banished to the garage, but that didn't stop his practicing.

His first yodeling performance was at Brigham Young University in 1977, where he brought 15,000 students to their feet for a standing ovation. His career soared when Disney made him the Disney World Yodeler in the German Pavilion of the Epcot Center in 1984-1990. Since that time Kerry has traveled to many countries to perform, including aboard Caribbean cruise ships and festivals throughout the US.

This is an opportunity to hear a world-class musician with an unusual and delightful specialty. Kerry estimates there are only two other full time yodeling soloists in the US and fewer than ten European yodelers who specialize in the dazzling "bravour" style of yodeling. We are sure you will enjoy Kerry's entertainment.

Master of Ceremonies

Greg Milnes, W7OZ
ARRL Northwest Division Director
aka "The Wiz"

Greg was first licensed in 1955. In the mid-60s, he operated W7AGQ/4 from Virginia and was a staff attorney with the Broadcast Bureau of the FCC in Washington, DC. He returned to 7-land in 1967. Greg became a Judge in 1969 and recently retired as Circuit Court Judge for Washington County, Oregon.

Greg is ARRL Northwest Division Director, a member of QCWA, DXCC, FARS, Willamette Valley DX Club and OTVARC (past President and Trustee).

2001 Chuck Mickley Memorial Scholarship

Sarah Brunson

The OTVARC Scholarship Committee will present the 2001 Chuck Mickley Memorial Scholarship at the Banquet. They are pleased to announce the selection of Sarah Brunson, KB7PJG.

Sarah is a senior at Glencoe High School. Sarah became interested in Ham Radio, originally with morse code, earning her novice when she was only eight years old. At age 14 she upgraded to technician plus, and last summer upgraded to general class. She grew up going on "Field Day Trips" with her dad, KC7DX. In addition to morse code, she enjoys leaming about signal propagation and circuits. At age 15, she and her dad put together a NorCal2O transceiver. Currently, she is a member of Amateur Radio Relay Group and the Society of Women Engineers.

Sarah comes from a whole family of Ham Radio operators. Her mom is KA7NUO and her older brother Jacob, KB7PNN, earned his license soon after she did and now holds a technician plus license.

Sarah has maintained a 4.0 GPA throughout high school. One of her favorite classes this year is AP Physics, and she is also taking a computer networking class. Sarah has been president of a community service club at her school for two years, as well as captain of the cross country team and vice-president of National Honor Society.

Sarah plans to attend Brigham Young University in the fall, where she will continue her involvement in Ham Radio. Sarah will major in Electrical Engineering with a minor in mathematics.

The scholarship committee for 2001:

Carl Clawson, WS7L, Chair
Maureen O'Rourke, KA7LAP
Dale Mosby, K7FW

ARRL Guests

Jim Haynie, W5JBP, ARRL President

Greg Milnes, K7OZ, NW Division Director

Jim Fenstermaker, K9JF, NW Division Vice Director

Seminar Topic Information

(17) "Mini-DXpedition"
Al Rovner, K7AR
SAT 3:45 to 5:15 PM Riverview A
Do you dream of someday going on a Dxpedition to some far off place? Meet the man that has. Al will show you what he takes on his travels and some ideas for easy DXpeditions that could be within reach for you.

(18) "The Incoming and Outgoing QSL Bureaus "
Armand Pilotte, W7IG Willamette Valley DX Club
SUN 10:00 to 11:30 AM Riverview C
A popular way to exchange QSL cards, ham radio operators world wide use this service to save time and money. Armand will explain how they work and what the best ways are to use this valuable service.

(19)"Elmer 101 — Introducing Kids to Amateur Radio and Electronics with QRP"
Tom Scott, KD7DMH Engineer, Arrow Electronics
SAT 3:45 to 5:15 PM Riverview C
See and hear how Tom, volunteering part-time at a local school, took a group of young people and developed their interest not only with amateur radio but their other academics by a hands on approach to the fun of technology. Educators and teachers should take this in for the ideas presented to capture the interest of young people. Clubs and organizations might also find an idea to spark up their meetings and activities.

(20)"Why QRP? — A Report on the Joys of Low Power Operation"
Dean Davis, KL0UX
SAT 3:45 to 5:15 PM Riverview B
Just getting started or looking for a new challenge? Dean will present a t program designed for those wondering what this QRP business is all about. Learn that low power doesn't mean "No Power" and what is available out there in the way of equipment and support.

(21) "Emergency Preparedness"
Frank Oulman Safe-T-Tech
SUN 10:00 – 11:30 AM Seaside C
Is your home prepared for an emergency? Could you and your family be self sustaining for an extended length of time? This seminar will help you take the steps to help you survive in a time of crisis.

Please turn off cell phones and hand-helds while attending a seminar presentation.

Seminar Topic Information

(11) "World Radio Conference (WRC) 2003 — Threat or Opportunity?"
Dr. Larry Price, W4RA
President international Radio Union (IARU)
SAT 10:00 AM to 11:30 PM Seaside A, B
The specialized UN Agency dealing with all telecommunications matters is the ITU headquartered in Geneva, Switzerland. IARU is the only body defending and protecting the amateur services before ITU. Hear about the next major ITU World Radio Conference (WRC) and what is being done to prepare amateur radio for the changes it may bring for the 21st century.

(12) "Advancement in the Quad vs. Yagi Battle — The best kept secret in ham radio"
Ken Glazer K7GCO
SUN 10:00 to 11:30 AM Riverview B
Ken is back with us again this year with a collection of new ideas for you to take home. Some new ideas in Quad construction allows broader bandwidth, better multi-band techniques and gain vs. front-to-back ratio adjustments. He will also include information on the RAI beams. As a long time antenna experimenter Ken is a wealth knowledge on what you can your build self.

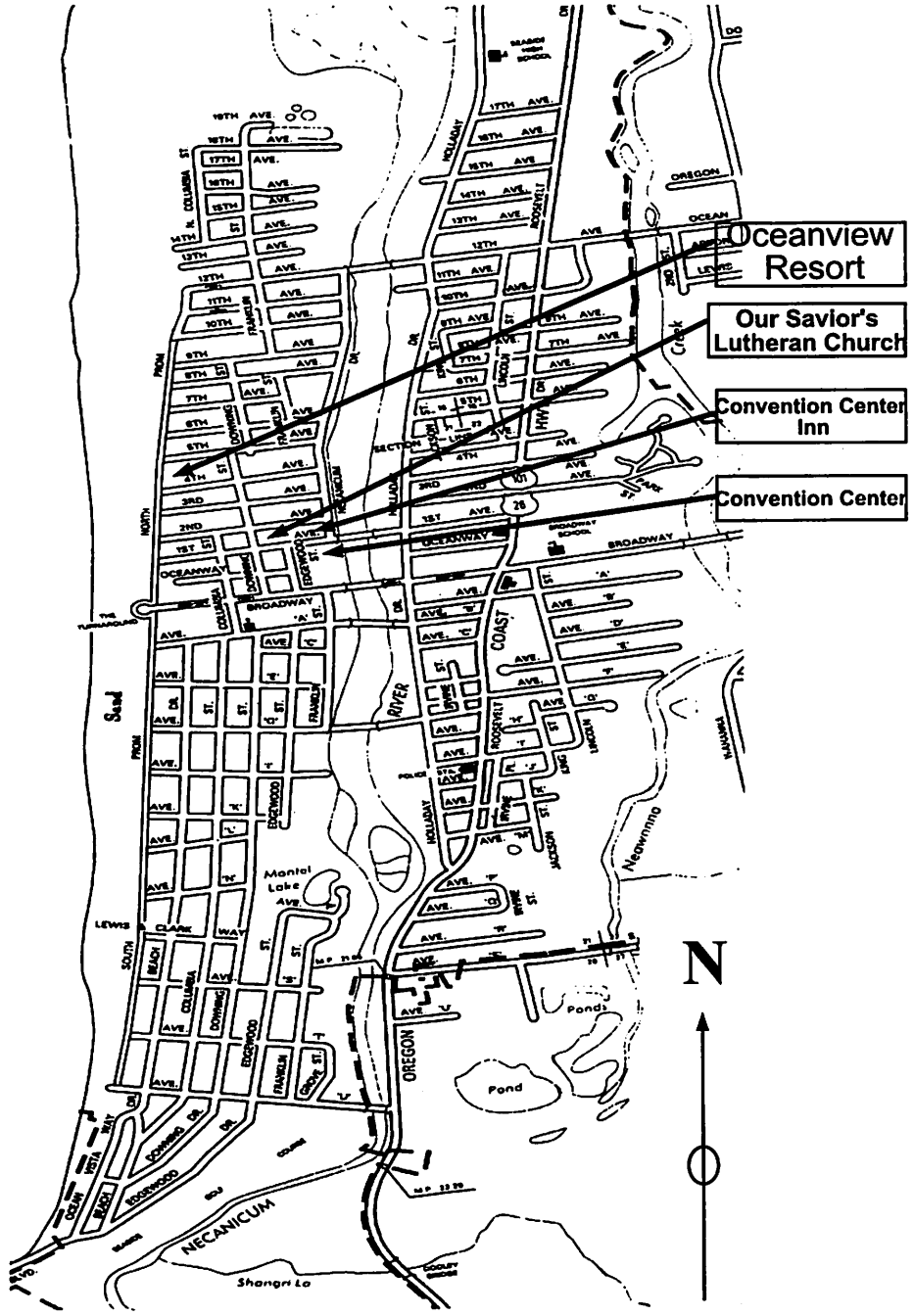
(13)"Antenna Basics – Antennas for the Mostly Uninitiated"
Marshall Johnson Sr., KK7CW, Ast. Section Mgr. Oregon
Owner/engineer Amateur Antenna Supply (formerly Aerials Int'l.)
SAT 11:00 AM to 12:30 PM Riverview A
Marshall introduces basic antenna theory, design, & construction for those just getting started as well as others needing to brush up on the basics. He will also explain what questions to ask when considering buying an antenna.

(14) "Debugging Antennae" (the mini version)
Marshall Johnson Sr., KK7CW, Ast. Section Mgr. Oregon
Owner/engineer Amateur Antenna Supply (formerly Aerials Int'l.)
SAT 3:45 to 5:15 PM Seaside A, B
A shorten version of the workshop, Marshall outlines the problem solving process to getting your store-bought or home-brew antennae to work well.

(15) " Antenna Hints & Kinks — Everyone owns an antenna that doesn't work"
Marshall Johnson Sr., KK7CW , Ast .Section Mgr. Oregon
Owner/engineer Amateur Antenna Supply (formerly Aerials Int'l.)
SUN 10:00 to 11:30 AM Seaside A, B
Do you have an antenna that's been put on the shelf because it doesn't work right? Marshall has some ideas for you on how to fix it. A great way to spend Sunday morning.

(16) "Amateur Television (ATV) in Oregon"
Ed Melnick, WB2QHS, President of Oregon ATV
SAT 2:00 to 3:30 PM Riverview C
Ed and other members of the ATV club will present an introduction of the hardware and station setup to participate in fast scan ATV. Included will be a technical overview of how the Oregon ATV network is set up and a video on the Portland/Salem ATV network.

Seaside Area Map



SEAPAC LADIES HOSPITALITY ROOM

Convention Center Inn Room 125

"A HANGOUT FOR BORED SPOUSES"

FRIDAY, JUNE 1

Room open from 6:00 pm to 8:00 pm

Stop in and have a cup of coffee or tea. Pick up a map of Seaside. Help start a puzzle.

Bring in books and recipes for the exchange and take some with you when you leave.

SATURDAY, JUNE 2

Room open 9:00am to 5:00pm

Free coffee, tea, donuts and popcorn. (while they last)

Stop in and say hi. do a craft or just visit, and make a new friend. We will have the questionnaires like last year, please take time to fill one out. Your opinion does matter. The hospitality suite is for you. Let us know what you would stop by for.

Program starts at 9:30am

Presented by Oregon Parks and Recreation Department

SAFETY AT THE BEACH

The guest speaker will be Mr. Robert Smith, Basic Coordinator, Public Affairs Division. Julie Landers, KD7GQW, a "Log Roll" survivor, will add personal comments.

Come and find out how to keep your family safe at the beach — this information could save the life of a family member or friend.

YLRL LUNCHEON AND PROGRAM

11:30am to 1:30pm

The speaker will be Donna Deyoe, K6DNG. Marti Brutcher, W7AYL, former YLRL President, will also speak on "Past YLRL Presidents."

The Luncheon is being held at the Best Western, Oceanview Resort, Fireside Room, 414 N. Prom. All ladies are invited. See the map on page 6.

SUNDAY, JUNE 3

Room open 9am to Noon

Coffee or tea will be served.

Don't forget to stop in to pick up your painted craft from Saturday. We will continue to work on the puzzle, if it isn't finished. Feel free to pick out a book or two, even if you didn't bring one for the exchange.

If you like to eat, pick out a recipe, take it home and try it.

Remember to pick up your SeaPac pin at the registration desk — only $5.

Seminar Topic Information

(6) "Optimizing J-Pole Antennas"
Dan Richardson, K6MHE
SAT 11:00 AM to 12:30 PM Seaside C
Dan will discuss how to build and get optimum performance from this popular do-it-yourself antenna.

(7) "You and Packet Radio — How to get the most out of Packet"
Ken Wilhelmi, N7QQU
Assistant Section Emergency Coordinator, Packet.
Oregon Section Government Liaison, Oregon
SAT 9:30 to 11 AM Riverview C
The packet system is a great way to send and receive digital information. This mode has many uses. There has been a resurgence of interest in the last year. We will focus on understanding the network system and how to use it. Tips and tricks of getting the most out of packet are included. ARES/RACES uses are highlighted. Questions are encouraged.

(8) "ECE Senior Projects at O.S.U."
(Especially Ham Radio Related Projects)
David Hakleman, W7QH, Dave's Radios LLC & Dept. of Electrical and Computer Engineering, Oregon State University
SAT 2:00 to 3:30 PM Seaside C
Information on some of the projects ECE seniors at OSU performed this year as well as recognition of Ham Radio Operators that acted as mentors for them. In addition, the audience will be given an opportunity to suggest projects for future ECE student teams. Some working models of projects will be shown.

(9) "ARES/RACES – Incident Command "
Sharon Kennedy, KD7CWP
City of Hillsboro Emergency Manager
SAT 11:00 AM to 12:30 PM Riverview C
How first response agencies organize themselves to respond to an emergency. Included will be some examples of the county, city and a single incident level of organization, and how amateur radio operators fit into the scheme. Sharon will show how hams can use ICS procedures for special events (like Sea-Pac).

(10)"Technician Class for the Non –Technician"
Bonnie Altus, AB7ZQ
ARES District 1 Manager
SUN 10:00 to 11:30 AM Riverview A
Feel intimidated by the technical material required to pass the "tech exam?" Does the idea of having to learn all that electronics stuff discourage you from trying. Bonnie has some study techniques and hints to help you without feeling you have to be an electronics expert to pass. While geared for XYL's whose husbands would really like them to get their license, it could be useful for anyone who struggles with technical material or tests.

Seminar Topic Information

This year we hope that you find some seminars to attend that catch your interests and open the doors to new ham radio adventures. .The presenters shown below volunteer their time to share with you their knowledge and skills on the many facets of this great hobby. What ever your interest are, you're sure to acquire a great deal of new knowledge to take home.

We were especially fortunate to have Larry Price, W4RA, President of the IARU with us this year (11). The upcoming WRC-2003 could be another water shed year for amateur radio if all the topics proposed for the agenda are acted upon. Find out what Larry feels are our best chances this time.

Listed below is an overview of the seminars we are presenting this year. This is to help you select the seminars of interest. When attending seminars, be sure to thank the presenter when it is over.

NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS

(1) FRIDAY WORKSHOP:
"Problem Solving on Real Antennas"
Marshall Johnson, Sr. KK7CW A.S.M. Oregon
Owner/engineer Amateur Antenna Supply (formerly Aerials Int'l)
FRI 12:30 to 5:00 PM Riverview A,B,C
Debugging antennae systems. An interactive workshop combining problem solving techniques, antenna theory, data gathering and (hands-on) exercises.

(2) "The ARRL Forum"
Jim Haynie, W5JBP, President ARRL
SAT 1:30 to 3:30 Seaside A, B, C
Greg Milnes, W7OZ, Norwest Division Director ARRL
A rare opportunity to meet Jim and Greg and find out what the league's goals are well as an opportunity to express your opinion on policy.

(3)"Amateur Towers, Wind Loads, Building Codes & Permits"
Hank Londberg KR7X PE
SAT 11:00 AM to 12:30 PM Riverview B
Get there early for this one as Hank packed the room last year for his primer on wind design of amateur radio towers, the uniform building codes and applying for a permit.

(4)"Radio Astronomy for Hams"
Randy Stegemeyer, W7HR
SAT 3:45 to 5:15 PM Seaside C
Randy's presentation will be on his radio telescope project that he presented at a Seattle meeting of the National Space Society. This one is a must for anyone interested in moon bounce, gigahertz antennas or big arrays.

(5) "Introduction to Automated Position Reporting System (APRS)"
Dave Dobbins, K7GPS, Lead Coordinator, Northwest APRS
SAT 2:00 to 3:30 PM Riverview A, B
The Automated Position Reporting System (APRS) is a fun and exciting use of packet radio to show a map display of moving and stationary objects. It uses GPS technology along with computers, radios and TNC's. See website at ***nwaprs.org***

Award Drawing Information

Must be present

ALINCO DX-70TH HF/6m Mobile
KENWOOD TM V7A Dual Band Mobile
ICOM IC 207H Dual Band Mobile
KENWOOD TH D7A (G) Dual Band HT
AM-COM ClearSpeach Speaker

(NONE BY PROXY - YOU MUST BE PRESENT)

Need Not Be Present

YAESU FT 817 HF/VHF/UHF Mobile
YAESU FT 90R Dual Band Mobile
ALINCO 605 TQ Dual Band Mobile
ICOM T81A Dual Band HT
KENWOOD TH 22AT 2m HT

(Need not be present awards will be shipped to winners)

The awards drawing period will be limited to one hour between 1PM - 2PM Sunday. These awards are purchased at or below cost from the dealers and manufacturers. We take this opportunity to express our appreciation for their assistance.

Good Luck.

HOURLY AWARDS
Posted in the lobby and on stage for 2 hours
(Those unclaimed will be re-issued)

Early Bird Awards
(Registrations prior to May 1 qualify)

ICOM 706MKIIG HF/VHF/UHF Mobile

ALINCO DJ V5TD CH Dual Band HT

Seminar Schedule

	Riverview A	Riverview B	Riverview C	Seaside A	Seaside B	Seaside C
	Friday Afternoon, June 1			***Friday Afternoon, June 1***		
12:30 PM to 5:00 PM	(1) FRIDAY WORKSHOP "Problem Solving on Real Antennae" Marshall Johnson Sr., KK7CW					
	Saturday Morning, June 2			***Saturday Morning, June 2***		
9:30 AM			(7) You And Packet Radio Ken Wilhelmi N7QQU	*10:00AM* (11) World Radio Conference 2003 Threat or Opportunity? Larry Price, W4RA		
11:00 AM	(13) Antenna Basics Marshall Johnson Sr. KK7CW	(3) Amateur Towers Wind loads, Bldg. Permits & Codes Hank Lonberg KR7X	(9) ARES/RACES Incident Command Sharon Kennedy KD7CWP			(6) Optimizing J-Pole Antennas Dan Richardson K6MHE
	Saturday Afternoon, June 2			***Saturday Afternoon, June 2***		
2:00 PM	(5) Introduction to APRS Dave Dobbins K7GPS		(16) Amateur Television (ATV) In Oregon Ed Melnick WB2QHS	*1:30PM* (2) ARRL Forum Jim Haynie, W5JBP, ARRL President Greg Milnes, W7OZ, NW Division Director		(8) ECE Senior Projects at OSU David Hackleman W7QH
3:45 PM	(17) Mini-DXpedition Al Rovner K7AR	(20) Why QRP? *The Joys of Low Power Radio* Dean Davis, KL0UX	(19) ELMER 101 *Introducing kids to amateur radio* *Tom Scott, KD7DMH*	(14) Debugging Antennae *"Getting your antennas to work"* Marshal Johnson Sr., KK7CW		(4) Radio Astronomy for Hams Randy Stegemeyer W7HR
	Sunday Morning, June 3			***Sunday Morning, June 3***		
10:00 AM	(10) Technician Class for Non-Technicians Bonnie Altus AB7ZQ	(12) Advancement in the Quad VS Yagi battle Ken Glazer K8GCO	(18) The Incoming and Outgoing QSL Bureaus Armand Pilotte W7IG	(15) Antenna Hints & Kinks *"Everyone has an antenna that doesn't work"* Marshall Johnson Sr., KK7CW		(21) Emergency Preparedness Frank Oulman Safe-T-Tek